

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-15. (canceled)

16. (currently amended) ~~Green~~ A green part having the following average mineral chemical composition, in percentages by weight on the basis of the mineral oxides:

$$40\% \leq \text{Al}_2\text{O}_3 \leq 41\%,$$

$$0\% \leq \text{ZrO}_2 \leq 41\%,$$

$$2\% \leq \text{SiO}_2 \leq 22\%,$$

$1\% < \text{Y}_2\text{O}_3 + \text{V}_2\text{O}_5 + \text{TiO}_2 + \text{Sb}_2\text{O}_3 + \text{Yb}_2\text{O}_3 + \text{Na}_2\text{O}$, ~~said green part being obtained by adding to a mixture of raw materials an amount greater than 1 % of a constituent consisting of one or more of the oxides from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , Yb_2O_3 , and Na_2O~~ Yb_2O_3 , Fe_2O_3 being an impurity.

17. (currently amended) ~~Green~~ The green part according to claim 16, having the following average mineral chemical composition, in percentages by weight on the basis of the mineral oxides:

$$40\% \leq \text{Al}_2\text{O}_3 \leq 94\%,$$

$$0\% \leq \text{ZrO}_2 \leq 41\%,$$

$$2\% \leq \text{SiO}_2 \leq 22\%,$$

$$1\% < \text{Y}_2\text{O}_3 + \text{V}_2\text{O}_5 + \text{TiO}_2 + \text{Sb}_2\text{O}_3 + \text{Yb}_2\text{O}_3 + \text{Na}_2\text{O}.$$

18. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

$$3\% \leq \text{SiO}_2.$$

19. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

$$\text{TiO}_2 \geq 2\%.$$

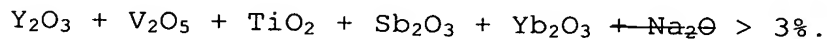
20. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

$$\text{Y}_2\text{O}_3 + \text{V}_2\text{O}_5 + \text{TiO}_2 + \text{Sb}_2\text{O}_3 + \text{Yb}_2\text{O}_3 + \text{Na}_2\text{O} \leq 5\%.$$

21. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

$$\text{Y}_2\text{O}_3 + \text{V}_2\text{O}_5 + \text{TiO}_2 + \text{Sb}_2\text{O}_3 + \text{Yb}_2\text{O}_3 + \text{Na}_2\text{O} > 2\%.$$

22. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:

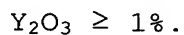


23. (currently amended) ~~Green~~ The green part according to claim 16, wherein the content, in percentages by weight on the basis of the mineral oxides, of at least one oxide from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , and Yb_2O_3 ~~and Na_2O~~ is greater than 1%.

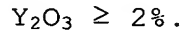
24. (currently amended) ~~Green~~ The green part according to claim 16, wherein the content, in percentages by weight on the basis of the mineral oxides, of at least one oxide from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , and Yb_2O_3 ~~and Na_2O~~ is greater than 2%.

25. (currently amended) ~~Green~~ The green part according to claim 16, wherein the content, in percentages by weight on the basis of the mineral oxides, of at least one oxide from Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , and Yb_2O_3 ~~and Na_2O~~ is greater than 3%.

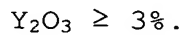
26. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:



27. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:



28. (currently amended) ~~Green~~ The green part according to claim 16, wherein, in percentages by weight on the basis of the mineral oxides:



29. (currently amended) ~~Process~~ A process for manufacturing a sintered refractory product, comprising at least the following successive steps:

a) preparation of a green part according to claim 16 from a mixture of raw materials to which has been added an amount of greater than 1% of a constituent ~~consisting of~~ comprising one or more of ~~[[the]]~~ oxides selected from the group consisting of Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , and Yb_2O_3 ~~and~~ Na_2O , in percentages by weight on the basis of the mineral oxides; and

b) sintering ~~[[of]]~~ said green part.

30. (new) The process according to claim 29, in which, at step b), the green part is sintered at a temperature of between $1300^{\circ}C$ and $1500^{\circ}C$.

31. (new) The process according to claim 29, in which at step b) the green part is sintered to form a refractory block.

32. (new) The process according to claim 29, wherein the sintered refractory product is employed in a region of a glass making furnace for the manufacture of soda lime or extra white soda lime glass.

33. (new) A green part comprising a following average mineral chemical composition, in percentages by weight on a basis of mineral oxides:

$$40\% \leq \text{Al}_2\text{O}_3,$$

$$0\% \leq \text{ZrO}_2 \leq 41\%,$$

$$2\% \leq \text{SiO}_2 \leq 22\%,$$

$$1\% < \text{Y}_2\text{O}_3 + \text{V}_2\text{O}_5 + \text{TiO}_2 + \text{Sb}_2\text{O}_3 + \text{Yb}_2\text{O}_3 + \text{Na}_2\text{O},$$

$$\text{Y}_2\text{O}_3 \geq 1\%,$$

said green part being obtained by adding to a mixture of raw materials an amount greater than 1% of a constituent comprising one or more oxides selected from the group consisting of Y_2O_3 , V_2O_5 , TiO_2 , Sb_2O_3 , Yb_2O_3 and Na_2O .

34. (new) The green part according to claim 16, in the form of a block.

35. (new) The green part according to claim 16, wherein Y_2O_3
+ V_2O_5 + Sb_2O_3 + Yb_2O_3 > 1%.

36. (new) The green part according to claim 16, wherein said
green part is obtained by adding to a mixture of raw materials an
amount greater than 1% of a constituent comprising one or more
oxides selected from the group consisting of Y_2O_3 , V_2O_5 , TiO_2 ,
 Sb_2O_3 and Yb_2O_3 .

37. (new) A green part comprising a following average
mineral chemical composition, in percentages by weight on a basis
of mineral oxides:

$$40\% \leq Al_2O_3,$$

$$0\% \leq ZrO_2 \leq 41\%,$$

$$2\% \leq SiO_2 \leq 22\%,$$

$$1\% < Y_2O_3 + V_2O_5 + TiO_2 + Sb_2O_3 + Yb_2O_3 + Na_2O,$$

said green part being obtained by adding to a mixture of raw
materials an amount greater than 1% of a constituent comprising
one or more oxides selected from the group consisting of Y_2O_3 ,
 V_2O_5 , TiO_2 , Sb_2O_3 , Yb_2O_3 and Na_2O , Fe_2O_3 being an impurity.